31ST MEU / CPR 11
Humanitarian Assistance
Disaster Relief CAPABILITIES

Purpose

- **To provide an overview of 31st Marine Expeditionary Unit (MEU) / Commander Amphibious Squadron (CPR) 11 organization and capabilities for humanitarian assistance disaster relief missions**

Purpose

The USS Essex Amphibious Ready Group and the 31st MEU form a Navy and Marine Corps team that is capable of a wide range of amphibious operations in the air, on land, and at sea

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Employment "From the Sea"

Actions Ashore

MEU Mission

- **Provide a forward deployed, flexible sea-based Marine Air Ground Task Force (MAGTF) capable of conducting amphibious operations, crisis response and limited contingency operations, to include enabling the introduction of follow-on forces, and designated special operations, in order to support the theater requirements of Geographic Combatant Commanders**

Functions

- **Provide forward presence and short notice crisis response capability in the Western Pacific**
- **Provide a versatile force capable of a range of military operations “from the sea”**
- **Conduct exercises with partner nation military forces to increase interoperability and mutual readiness**
- **Conduct civil-military operations to relieve conditions that give rise to instability**
- **Amphibious Ready Force for III Marine Expeditionary Force (MEF)**

USS Essex (LHD-2)

Amphibious Landing Dock ship

- **Primary Flagship**
- **Well deck and flight deck c**
- **Primary aviation ship with load 30 aircraft**
- **6 Available flight spots**
- **Berthing for 1870 Marines**
- **2 LCUs**

Medical Contingent

Fleet Surgical Team Seven
Fleet Marine Force Medical Personnel
Ship Medical Personnel

- **8 Doctors**
- **1 Dentist**
- **47 Corpsmen**
- **6 Operating Rooms**
- **60 bed ward with 15 ICU**

Essex USMC Assets

MARITIME CONTINC

Transportation / Engineering

- **1 M997 Ambulance – 300 mile range, 4 litter capability**
- **3 LB MTVRs-350 mi range, 60passengers, 40,000 lbs bed capacity**
- **24 Highback HMMWVs – 300 mile range, 24 passengers, 12,000 lbs bed capacity**
- **4 MRC-145; 2 MRC-148**
- **5 M1045 – 300 mile range, 2 passengers**
- **4 M1151 – 300 mile range, 2 passengers**
- **6 ITVs – 200 miles, 2 passengers**
- **7 M101 Trl**
- **2 M105 Trl**
- **1 TRAM , 2 MMVs, 1 MTL, 1 MCT Bulldozer, 1 Back Hoe**
- **1 MTVR Dump Truck**
- **1 MTVR Truck**
- **1 TWPS-24k gal/day (1k water prod per hour)**
- **8 generators (2 MEP806s and 1 MEP805)**
- **1 Floodlight**

Communications / Administration

- **2 MRC vehicles capable of providing VHF, HF and SATCOM (voice and data) support ashore**
- **C2 capability inherent in personnel structure (limited)**
- **Capable of establishing two, separate COCs**
- **13 MRC Vehicles (HF, VHF, UHF SATCOM ashore)**
- **Up to 3 independent forward CPs ashore**
- **Full spectrum of DISN core services (SIPR, NIPR, JWICS)**
- **3 BGANs for mobile broadband NIPR**
- **Fully mobile voice/data (UHF SATCOM, iridium)**
- **Up to 12 independent stations**

Security

- **BLT personnel can secure designated aid distribution sites, supplement search and rescue efforts, and augment personnel requirements for humanitarian operations**

Supply

- **Class I –** Subsistence (food), gratuitous (free) health and comfort items
  - **6,900 gal water storage capacity, no bottled water**
  - **1300 gal water distribution capability**
- **Class II –** Clothing, individual equipment, tentage
  - **approx 5 GP tents**
- **Class III -** Petroleum, Oil and Lubricants (POL) (package and bulk):
  - **900 gal distribution capability**
- **Class IV –** Construction materials
  - **None**
- **Class V -** Ammunition
- **Class VIII –** Medical material
  - **Enough for 500 sick call patients; 15 minor surgeries; capable 20 days of sustainment**
- **Class IX –** Repair parts

Services

- **Medical**
  - **4 Corpsman, 1 Dental Tech**
  - **1 MO, 1 IDC, 1 SMDR, 20 Corpsmen**
- **Field Mess – 8 Cooks, 3 TRHS capable of supporting 3,000 PAX**
- **Landing Support-**
  - **HST**
  - **2 x BOG/POG or 2 x A/DACG**
- **Construction**
  - **3 Pioneer Kits**
  - **1 Carpenter's Kit**

Helo Lift

- **10 x CH-46**
- **4 x CH-53**
- **4 x AH-1 (Thermal imagery/video)**
- **3 x UH-1**

Strengths / Limitations

Strengths

- Water production capability
- Road Clearance – BLT has Dozer/CLB has MTL (Bob Cat)
- HE capability
- Landing Support (4 Nets and 9 Slings)
- NEO Tracking System (1)
- 36 Man/12 Man Fly ECC processing team

Limitations

- Transportation (MT)
- Limited power production
- Medical
  - WHO Kit – Service approximately 7k for 30 days
- Class IV – Construction Materiel
- No non lethal weapon capability

USS Harpers Ferry (LSD 49)

Dock Landing Ship

- **2 Landing Craft Air Cushioned (Hovercraft) – 60ton Load**
- **Flight Deck w/ 2 Helo spots**
- **Berthing for 420 Marines**
- **Water production: 5,000 gal excess potable water per day**
- **18 CRRCs embarked**

Medical Contingent

- **1 Doctor**
- **1 Dentist**
- **11 Corpsmen**
- **8 bed ward with 2 isolation beds**
- **1 X-ray machine**

Harpers Ferry USMC Assets

Transportation / Engineering

- 12 MTVRs – 350 mi range, 240 passengers, 120,000 pds bed capacity
- 8 Highback HMMWVs – 300 mi range, 64 passengers, 8000 pds bed capacity
- 18 CRRCs – 30 mi range, 144 passengers, 21,000 pds lift
- 3 AAVs – 7 hours operation/day, 60 passengers
- 2 TRAMs – 12k lift forks, buckets (route clearing), 12 hr/day operating
- TWPS, ASPEN 2000 water purification systems – 26k gal/day
- 10 generators of various capacities can support small tent city
- 2 x SIXCON (900 gal)

Communications / Administration

- 7 MRC vehicles capable of providing VHF, HF, and SATCOM (voice and data) support ashore
- C2 capability inherent in personnel

Security

- 2 Nonlethal weapons kits for local security support

Supply

- Class I –
  - 45,000 Meals Ready to Eat (including LFORM)
  - 6000 gal water storage capacity, no bottled water
  - 1300 gal water distribution capability
- Class II – Approx 5-10 GP tents
- Class III
  - Approx 60 barrels of POL's (LFORM), no fuel reserves
  - 900 gal distribution capability (Diesel)
- Class IV – None
- Class V – Some demo as required
- Class VIII – Enough for 500 sick call patients, 15 minor surgeries
- Class IX - Minimal

Services

- Medical
  - 2 MO's, 1 IDC, 1 Med planner, 17 corpsmen, 1 Dentist
- Field Mess – 7 Cooks, 2 TRHS systems capable of supporting 1000 PAX
- Landing Support –
  - HST
  - 2 x BOG/POG or 2 x A/DACG

Strengths / Limitations

Strengths

- Multiple surface movement capabilities for littoral environment
- Quickly deployable class I supplies
- Variety of personnel to support virtually all types of HADR operations
- Bilingual personnel throughout units

Limitations

- CRRC crews have no cold weather suits
- AAVs maintenance heavy
- Vehicles will require external fuel support
- Limited supply of class II-X items
- No current aviation assets

USS Germantown (LSD 42)

Dock Landing Ship

- **2 Landing Craft Air Cushioned (Hovercraft) – 60ton Load**
- **Flight Deck w/ 2 Helo spots**
- **Berthing for 420 Marines**
- **Water production: 5,000 gal excess potable water per day**
- **18 CRRCs embarked**

Medical Contingent

- **1 Doctor**
- **1 Dentist**
- **11 Corpsmen**
- **8 bed ward with 2 isolation beds**
- **1 X-ray machine**

Germantown USMC Assets

Transportation / Engineering

- **12 MTVRs (3LB/9SB)-350 mi range, 200 passengers, 162,000 lbs bed capacity**
- **6 Highback HMMWVs-300 mi range, 24 passengers, 12,000 lbs bed capacity**
- **6 Up Armored HMMWV**
- **1 AAVR7 – 6,000 lb capacity boom crane; 30,000 lb capacity recovery winch**
- **1 AAVC7 – UHF / VHF Communication**
- **4 LAV-25 – 4-man scout team per vehicle amplified VHF communications**
- **2 LAV-L logistics variant vehicles – 4,000 lb cargo payload CASEVAC, civilian transport (10 PAX / Vehicle)**
- **3 M101 Trl**
- **2 M105 Trl**
- **1 5K, 1 Backhoe**
- **9 generators (1 MEP806s, 3 MEP805, 2 MEP803s, 3 MEP831s)**
- **2 Floodlights**
- **1 R-SIXCON (900 gal)**

Communications / Administration

- **VHF, HF BFT and SATCOM (LAR has only voice) support ashore**
- **4 MRC ((3) 145/ (1) 148 vehicles capable of providing VHF, HF and SATCOM (voice and data) support ashore**
- **C2 capability inherent in personnel structure (limited)**

Security

- **CAAT / LAR can provide mobile security and can support searching and clearing designated areas**
- **5 MPs with Non Lethal Kit**

Supply

- Class I –
  - 800 gal water storage capacity, no bottled water
  - 2500 gal water distribution capability
- Class II – Approx 5-10 GP tents
- Class III
  - 2400 gal distribution capability (Diesel)
- Class IV – None
- Class V
- Class VIII - Medical assault packages and organic supplies
- Class IX - Minimal

Services

- Medical
  - 4 Corpsman (w/ 1 PMT)
  - 1 Ambulance
  - 10 Corpsmen
- Field Mess-3 Cooks w/ 1 TRHS
- Construction
  - 1 Pioneer Kit

Strengths / Limitations

Strengths

- Ground transportation
  - Convoy Ops
- Power production

Limitations

- No water producing capabilities. No TWPS available on the GTN
- Limited medical capability

RW Distribution Capabilities

CH-53

- CH-53 (2 x CH-53 flying 5 missions / day)
  - Internal lift up to 170,000 lbs (70 pallets)/ day
  - Lift 500 passengers / day (with waiver to carry 50 pax)
  - External lift 200,000 lbs / day
  - Tactical Bulk Fuel Distribution System: 2 x 800 gal tanks w/ FARE Kits
- Helo Support Team x 3
  - External lift of supplies
  - 300+ cargo nets in MEU

CH-46

- CH-46 (10 x CH-46 flying 5 missions / day)
  - Internal lift up to 90,000 lbs (90 pallets)/ day
  - Lift 360 passengers / day
  - External lift 60,000 lbs / day
- FARP System and Bladders: 3 x 5k gal bags w/ 4 pumps

Landing Craft Capabilities

Landing craft air cushion (LCAC)
Speed: 35+kts
Range: 300nm at 35kts
Lift: 60 tons; 23 PAX, 125 w/PTM

Landing craft utility (LCU)

Speed: 11kts
Range: 1200nm at 8kts
Lift: 160 tons; 400 PAX

CAPABILITIES:

- Can be loaded to provide flexible response related to dynamic situation:
  - -Disaster Assessment Team conducts CLZ survey and medical and engineering assessment.
  - -Medical Team provides medical treatment
  - -Produce and distribute water (w/ TWPS)
  - -Distribute fuel and HADR supplies
- Mobility to pull in to port or beach as required and distributes relief:
- Can pull out and remain in local water or return to ship as required

AMPHIBIOUS SQUADRON ELEVEN
11
SEMPER CUM SUPERBIA

31st Marine Expeditionary Unit
MARITIME CONTINGENCY FORCE